

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 April 2005 (07.04.2005)

PCT

(10) International Publication Number
WO 2005/032108 A1

(51) International Patent Classification⁷: **H04M 1/05**,
H01H 35/02

(21) International Application Number:
PCT/DK2004/000610

(22) International Filing Date:
15 September 2004 (15.09.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PA 2003 01400 26 September 2003 (26.09.2003) DK

(71) Applicant (for all designated States except US): GN NET-
COM A/S [DK/DK]; Metalbuen 66, DK-2750 Ballerup
(DK).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BIRCH, Ole**
[DK/DK]; Hegnsvej 7B, DK-2850 Nærum (DK).

(74) Agent: **LARSEN & BIRKEHOLM A/S**; Skandinavisk
Patentbureau, Banegårdspladsen 1, P.O. Box 362, DK-1570
Copenhagen V (DK).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

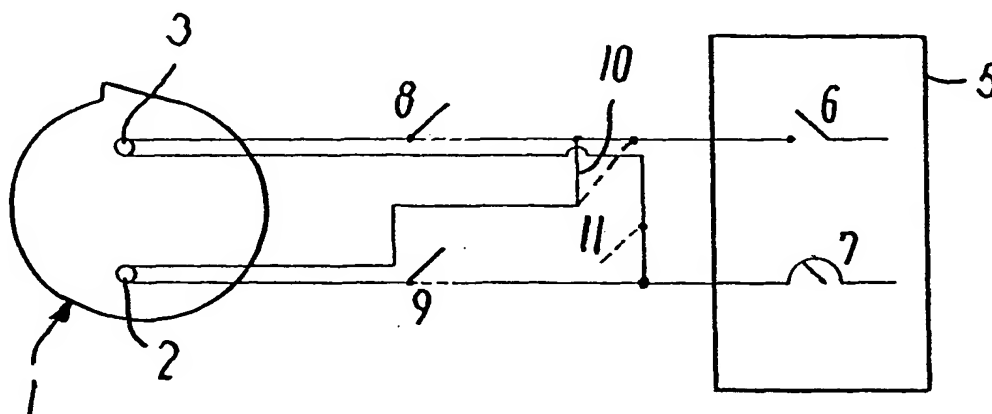
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: A COMMUNICATIONS UNIT COMPRISING A GRAVITATION SWITCH



(57) Abstract: A communications unit, preferably a headset, has a number of control knobs (2, 3) for adjusting the electrical prop-
erties of the headset and is suspended by an ear hook, which may be adjusted such that the headset may be used on both the left
and the right ear, said headset when switching from one ear to the other being rotated 180°, while the position of the ear hook is
unchanged. In order to ensure that the functions of the control knobs (2, 3) relative to their positions on the headset are the same, no
matter whether the headset is carried on the left or the right ear, a gravitation switch is arranged in a printed circuit board which
is mounted in the headset. The gravitation switch of the headset provides for automatic switching of the functions of the control knobs
without intervention by the user, when the headset is switched from a position on one ear to the other ear.

WO 2005/032108 A1